

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A constant velocity universal joint comprising:

- an outer member which is provided with a spherical inner surface in which six track grooves are formed;
- an inner member which is provided with a spherical outer surface in which six track grooves are formed;
- six balls disposed in ~~[[a]]~~ respective wedge-shaped ball tracks formed by the track grooves of the outer member and the track grooves of the inner member;
- a retainer disposed between the spherical inner surface of the outer member and the spherical outer surface of the inner member to hold the balls; and
- an elastic member applying an elastic force in an axial direction between the inner member and the retainer to press the balls toward a narrower side of the wedge-shaped ~~wedge-shaped~~ ball tracks;

wherein a ratio $r1 (= PCD_{BALL}/D_{BALL})$ of a pitch circle diameter (PCD_{BALL}) of the ball to a diameter (D_{BALL}) of the ball is in a range of $1.5 \leq r1 \leq 4.0$, a ratio $R1$ is defined by F/PCR by F/PCR , where F is an offset amount between the center of the track grooves of both the inner member and the outer member with respect to a center of the spherical inner surface and the spherical outer surface, and PCR is a length of a segment connecting the center of the inner track grooves with the outer track grooves and the center of the ball, and the ratio $R1 (=F/PCR)$ is in a range of $0.109 \leq R1 \leq 0.162$.

2. (Original) A constant velocity universal joint according to claim 1, wherein a ratio $r2 (= D_{OUTER}/PCD_{SERR})$ of an outside diameter (D_{OUTER}) of the outer joint member to a pitch circle diameter (PCD_{SERR}) of teeth of the inner member is in a range of $3.0 \leq r2 \leq 5.0$.

3. (Canceled)

4. (Currently Amended) A constant velocity universal joint according to claim 1, wherein ~~the number of the torque transmission balls is equal to or less than six, and~~ a contact angle (θ) between the track and the ball is in a range of $30^\circ \leq \theta \leq 40^\circ$.

5-6. (Canceled)

7. (Previously Presented) A constant velocity universal joint for steering according to claim 1, wherein lengths of a plurality of pockets corresponding to a plurality of the track grooves in a circumferential direction of a window are all equal.

8-16. (Canceled)